

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A remote order acceptance design system,
comprising:

a means for sending a list of basic specifications of a plurality of products that can be offered, to a customer's terminal according to the customer's requirement;

a database that stores CAD symbols each including effective space information expressing an occupied space occupied by a product at least product name information, structure information indicating structural features of the product, basic specification information, and effective space information indicating a space that should be secured for installing the product, for each of said products that can be offered;

a first input receiving means for receiving input of a requirements specification of an order-made product that includes one or more equipments;

a data taking means for determining the occupied space of said order-made product retrieving the basic specification information stored in said database, based on the requirements specification whose input is received by said first input receiving means, and for taking out a corresponding CAD symbol that includes effective space information conforming to said occupied space, from said database; and database;

a data output means for outputting the CAD symbol taken out by said data taking means to an input source ~~who has inputted~~ that has input the requirements specification of said order-made ~~product~~ product;

a second input receiving means for receiving input of the customer's design data that include the CAD symbol of said order-made product; and

a means for extracting structural features within the occupied space indicated by the effective space information of the CAD symbol of said order made product from the customer's design data received by said second input receiving means, and for judging existence of interference in an installation area of said order-made product, based on said structural features.

2. (original) The remote order acceptance design system according to Claim 1, wherein:

said system further comprises a CAD symbol automatic generation means for generating a CAD symbol of said order-made product based on the requirements specification received by said input receiving means, when said CAD symbol can not taken out from said database; and

said data output means outputs the CAD symbol generated by said CAD symbol automatic generation means, when said CAD symbol can not be taken out from said database.

3. (currently amended) The remote order acceptance design system according to Claim 1, wherein:

said system further comprises:

a product specification database that stores one or more pieces of location rule information expressing location rules of the equipments included in the product;

~~a second input receiving means for receiving input of building data that include a CAD symbol of said order-made product;~~

~~a structural features extracting means for extracting structural features within the occupied space expressed by the effective space information of the CAD symbol of said order-made product from the building data received by said second input receiving means, and for judging existence of interference in an installation area of said order-made product, based on said structural features; and~~

an installation drawing generation means for taking out the location rule information corresponding to said CAD symbol from said product specification database, when it is judged that interference does not occur in the installation area of said order-made product, and for generating installation drawing data for said order-made product based on said location rule information and said building customer's design data;

and

said data output means outputs the installation drawing data generated by said installation drawing generation means to an input source who has inputted said

~~building customer's design~~ data, when said second input receiving means receives the ~~building customer's design~~ data.

4. (currently amended) The remote order acceptance design system according to Claim 2, wherein:

said system further comprises:

a product specification database that stores one or more pieces of location rule information expressing location rules of the equipments included in the product;

~~a second input receiving means for receiving input of building data that include a CAD symbol of said order-made product;~~

~~a structural features extracting means for extracting structural features within the occupied space expressed by the effective space information of the CAD symbol of said order-made product from the building data received by said second input receiving means, and for judging existence of interference in an installation area of said order-made product, based on said structural features; and~~

an installation drawing generation means for taking out the location rule information corresponding to said CAD symbol from said product specification database, when it is judged that interference does not occur in the installation area of said order-made product, and for generating installation drawing data for said order-made product based on said location rule information and said ~~building customer's design~~ data;

and

said data output means outputs the installation drawing data generated by said installation drawing generation means to an input source who has inputted said building-customer's design data, when said second input receiving means receives the building-customer's design data.

5. (currently amended) The remote order acceptance design system according to Claim 3, wherein:

said system further comprises:

a building-customer's design data save means for saving the building customer's design data received by said second input receiving means, associating said building-customer's design data with the input source of the building data; and

a correction management means for calculating difference between building customer's design data after a change and building-customer's design data before the change, when said second input receiving means receives the building customer's design data after the change, and for judging existence of interference in the order-made product's installation area defined by said building-customer's design data after the change, based on said difference;

and

said installation drawing generation means generates installation drawing data of said order-made product based on said location rule information and said building-customer's design data after the change, when it is judged that interference

does not occur in said order-made product's installation area defined in the building customer's design data after the change.

6. (original) A storage medium that stores a program for making an information processing unit perform design processing, wherein:

said program makes said information processing unit perform:

structural features extracting processing, in which structural features in an occupied space expressed by effective space information included in a CAD symbol of an order-made product that includes one or more equipments, are extracted from building data; and

installation drawing generation processing, in which location rule information corresponding to said CAD symbol is taken out from a product specification database, when it is judged that interference does not occur in an installation area of said order-made product, based on a result of said structural features extracting processing, and installation drawing data of said order-made product are generated based on said building data and equipments location rules expressed by said location rule information.

7. (original) An elevator remote order acceptance method, in which a computer distributes an elevator installation drawing to a user terminal through a network, wherein:

said method comprises a procedure of making said computer complete said elevator installation drawing step by step, based on data given sequentially from said user terminal; and

said procedure comprises one of steps mentioned below, or comprises two or more of said steps in a order mentioned below: namely,

a step in which, when said computer receives input of building information relating to a building to be installed with elevators, through a network, then, machine types and number of elevators to be installed, which correspond to said building information, are returned to an input source who has inputted said building information;

a step in which, when said computer receives input of a requirements specification for said elevators, through the network, then, a CAD symbol conforming to said requirements specification is returned to an input source who has inputted said requirements specification; and

a step in which, when said computer receives input of building data, which include said CAD symbol, through the network, then, the elevator installation drawing based on said building data is returned to an input source who has inputted said building data.

8. (original) The elevator remote order acceptance method according to Claim 7, wherein:

said procedure further comprises:

a step in which, when said computer receives input of a requirements specification relating to artistic design of interior parts of said elevators, then, an artistic design drawing corresponding to said requirements specification is returned to an input source who has inputted said requirements specification.

9. (original) The elevator remote order acceptance method according to Claim 7, wherein:

in at least one of said steps, information including input data and return data in the step in question is saved under control of said computer, and identification information for using said saved information in a next step is returned together with said return data; and

when said computer receives said identification information, said computer uses past input data and return data associated to said identification information, as input data to the next step.

10. (original) An elevator remote order acceptance method, in which a computer distributes an elevator installation drawing to a user terminal through a network, wherein:

said method comprises a procedure of making said computer complete said elevator installation drawing step by step, based on data given sequentially from said user terminal; and

said procedure comprises one of steps mentioned below, or comprises two or more of said steps in a order mentioned below: namely,

a step in which, when said computer receives input of building information relating to a building to be installed with elevators, through a network, then, information on at least machine types of the elevators, which correspond to said building information, is returned to an input source who has inputted said building information;

a step in which, when said computer receives input of a requirements specification for said elevators, through the network, then, a CAD symbol conforming to said requirements specification is returned to an input source who has inputted said requirements specification; and

a step in which, when said computer receives input of building data, which include said CAD symbol, through the network, then, the elevator installation drawing based on said building data is returned to an input source who has inputted said building data.